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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/787,530	02/26/2004	Kumin Yang	RPI-3877	6476	
5409	7590 11/07/2006		EXAM	EXAMINER	
SCHMEISER, OLSEN & WATTS			POULOS, SANDRA K		
22 CENTURY HILL DRIVE SUITE 302			ART UNIT	PAPER NUMBER	
LATHAM, N	NY 12110		1714		
			DATE MAILED: 11/07/200	6	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)	<i>_</i>			
4		10/787,530	YANG ET AL.	•			
Office Action Summary		Examiner	Art Unit	· · · · · · · · · · · · · · · · · · ·			
	·	Sandra K. Poulos	1714				
	The MAILING DATE of this communication app			:s			
Period fo	• •		•				
WHIC - Exter after - If NO - Failu Any r	ORTENED STATUTORY PERIOD FOR REPLICHEVER IS LONGER, FROM THE MAILING DISSIONS of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period are to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIC 36(a). In no event, however, may a re- will apply and will expire SIX (6) MON e, cause the application to become AB	CATION. eply be timely filed THS from the mailing date of this communication (35 U.S.C. § 133).				
Status							
2a) <u></u> □	Responsive to communication(s) filed on <u>26 F</u> This action is FINAL . 2b) This Since this application is in condition for allowa closed in accordance with the practice under B	s action is non-final. nce except for formal matt		rits is			
Dispositi	on of Claims						
5) 6) 7)	Claim(s) <u>1-28</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) <u>1-28</u> are subject to restriction and/or	wn from consideration.					
Applicati	ion Papers						
9)[The specification is objected to by the Examine	er.					
10)	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.						
	Applicant may not request that any objection to the						
11)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the E.						
•	under 35 U.S.C. § 119						
12)[_] a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority document application from the International Burea See the attached detailed Office action for a list	ts have been received. ts have been received in A prity documents have been tu (PCT Rule 17.2(a)).	pplication No received in this National Sta	ge			
Attachmen							
. ===	ce of References Cited (PTO-892) ce of Draftsperson's Patent Drawing Review (PTO-948)		Summary (PTO-413) s)/Mail Date				
3) Infor	mation Disclosure Statement(s) (PTO/SB/08) or No(s)/Mail Date		nformal Patent Application				

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

 Claims 1-16, drawn to a method of forming a polymer nanocomposite, classified in class 523, subclass 347.

II. Claims 17-28, drawn to a polymer nanocomposite system, classified in class 524, subclass 445.

The inventions are independent or distinct, each from the other because:

Inventions I and II are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the invention of Group II can be made by mixing the clay and polymer with sufficient shear to exfoliate the clay, rather than using the SCF to exfoliate the clay as required in Group I. Also, the clay of Group II is not necessarily specified as exfoliated, as in Group I, so the clay could be added as nanoclay with no further exfoliating step and still be considered a nanocomposite.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the inventions require a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

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A telephone call was made to Mr. Jack Friedman on 10/25/06 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sandra K. Poulos whose telephone number is (571) 272-6428. The examiner can normally be reached on M-F 8:00-4:30 EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Vasu Jagannathan can be reached on (571) 272-1119. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SICP Sandra Poulos VASU JAGANNATHAN
VASU JAGANNATHAN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 1700